

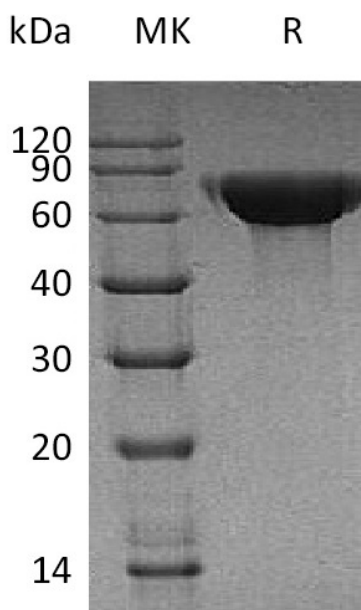
Product Name: Recombinant Human CNDP1 (C-6His)
Catalog #: PHH0234



Summary

Name	Carnosine Dipeptidase 1/CNDP1
Purity	Greater than 95% as determined by reducing SDS-PAGE
Endotoxin level	<1 EU/μg as determined by LAL test.
Construction	Recombinant Human Carnosine Dipeptidase 1 is produced by our Mammalian expression system and the target gene encoding Ser27-His507 is expressed with a 6His tag at the C-terminus.
Accession #	AAI13513.1
Host	Human Cells
Species	Human
Predicted Molecular Mass	54.9 KDa
Formulation	Supplied as a 0.2 μm filtered solution of 20mM Tris-HCl, 150mM NaCl, pH 7.5.
Shipping	The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below.
Stability&Storage	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
Reconstitution	

SDS-PAGE image



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Alternative Names

Beta-Ala-His Dipeptidase; CNDP Dipeptidase 1; Carnosine Dipeptidase 1; Glutamate Carboxypeptidase-Like Protein 2; Serum Carnosinase; CNDP1; CN1; CPGL2

Background

Carnosine Dipeptidase 1 (CNDP1) belongs to the M20 metalloprotease family. CNDP1 is specifically expressed in the brain, serum and adult nervous central system. It is identified as human carnosinase. CNDP1 contains trinucleotide (CTG) repeat length polymorphism in the coding region and is inhibited by the metal chelator 1,10-o-phenantroline. In addition, CNDP1 can hydrolyse the beta-Ala|-His dipeptide (carnosine), anserine, Xaa|-His dipeptides and other dipeptides including homocarnosine. CNDP1 deficiency has been associated with homocarnosinosis disease.

Note

For Research Use Only , Not for Diagnostic Use.